Repairs Needed ASAP

Pheasant Farm- West dike Goose Pen - East dike

3/16 your oppix

Water Levels

MS ditch

2009

94

- Pump in 4/29 - d.d. ditch for Gougher Dam Removal

Boss - Check water + possibly set up meeting w/

Farmer

- Pull boards from Rail unit on South side

- Goosepen - Open

- Pool 2C - Open

- Pool ZA - pumping 2.4 goal for end of this week

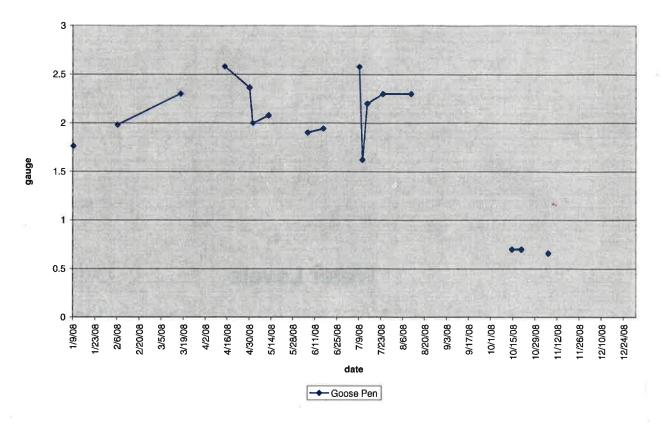
- Pool 9 Borrow - 2.0 goal Open

· Ask Pat about Woodies + Metz. -when is he getting the off - Why isn't Metzger open? Blc of N winds? Unit: Goose Pen

Acres: 57

2008 Activity: Unit was at full pool in February. High water in the ditch wouldn't allow high water in the unit to escape. High water was finally let out in April and again in July.

Goose Pen



Unit Goal: Provide foraging and resting habitat for migratory birds.

Objectives: Control exotic flowering rush and purple loosestrife. Encourage more desirable vegetation. Put in a rotation for fall shorebird habitat.

Strategies:

Maintain full pool and monitor Purple loosestrife.

Management Strategy Constraints: The east dike is in bad shape. There is a French drain under the road that goes to the check station that allows the ditch next to Magee's entrance road and shop to drain. When the unit is too high, water backs up and threatens the Magee shop/garage. The culvert under our entrance road is too small and water backs up in the drainage ditch and floods Magee's entrance road and prevents Goosepen from draining.

Unit: Goose Pen: 2.0 is full pool (1' free board on east dike -dike in bad shape)

Water level guide	2009 Date	Actual Water level	Notes
	Jan. 45	1.30	
	Eab 12	170	
	Feb. 12	1.70	
2.0	26 Mar. 3	1.70	
2.0	Iviai. 5	1.78	Watch Radar ditch – may need to set up pump in ditch to
1.80	9	1.94	increase drainage to lake - opened
	11	1.90	Closed 3pm - range wit take here!
	18	1.86	30 1.82
	Apr. 22		Opened 9:30
	27	1.50	Closed 29- 1.56-9:30 am Opened all the way-adding to
3 × 7	J. 1		The state of the s
	May 9	1.46	Y
HET			
		1 110	
	June 2	1,42	· · · · · · · · · · · · · · · · · · ·
	4	1.5	
2	19	1.25	
	26		Green Scum!
	July	0.98	
	298	,99	Green!
	Aug.4	0.9	
	Aug.	. 88	
	21	.73?	Dirty Motor
	31	.70	Willy trong
	Sept. 16	.48	Opened to kike - high winds ENE - Good shorebind
	17	0.68	Closed
		0,00	
	Oct. 20	0.50	
	26	0.52	
Wild			
175-71	Nov.		
			Late Control of the C
	Dec. 7	0:50	

6 42

26 64

7.22

THE STATE OF THE S

Acres.

Management activities/constraints prevented ability to take high water

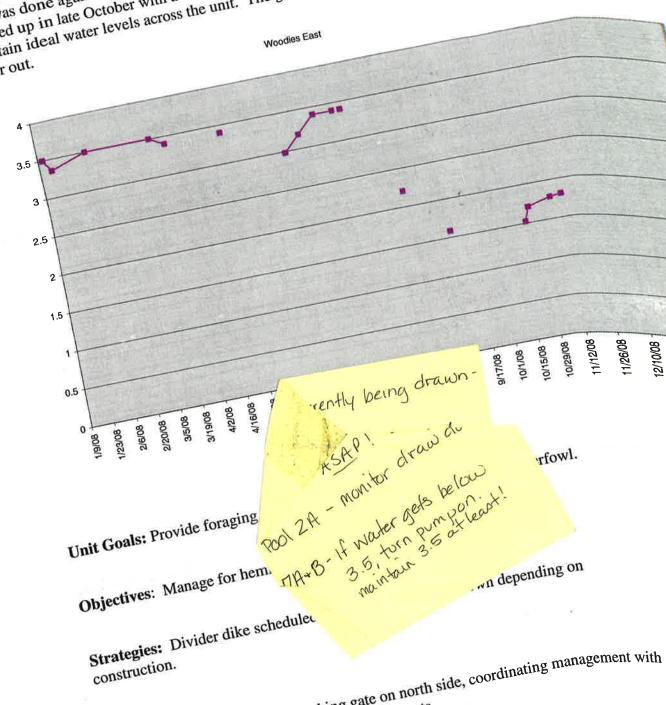
Management activities in May I believe Marge let come high water 2008 Activity: Management activities/constraints prevented ability to take high water of in March or April. At some time in May, I believe Magee let some high water out.

This was done again in July and required the state to use their main pump. off in March of April. At some time in May, I believe Magee let some high water out.

This was done again in July and required the state to use their main pump. The unit was this was done multiple times to Unit: Woodies Roost East

Ins was done again in July and required the state to use their main pump. The unpumped up in late October with a Thompson and this was done multiple times to pumped up in late October with a Thompson and this was done multiple times to pumped up in late October with a Thompson and this was done multiple times to pumped up in late October with a Thompson and this was done multiple times to Pumped up in late October with a Thompson and this was done multiple times to maintain ideal water levels across the unit. The gate to the ditch on the north was leaking

water out.



Potential Problems: Beaver, leaking gate on north side, coordinating management with Magee's activities may require timing adjustments.

Unit: Woodies Roost East - May need to adjust water levels based on construction and leaks.

Bottom of gauge is 1.10 - set at bottom of unit (not diteh)

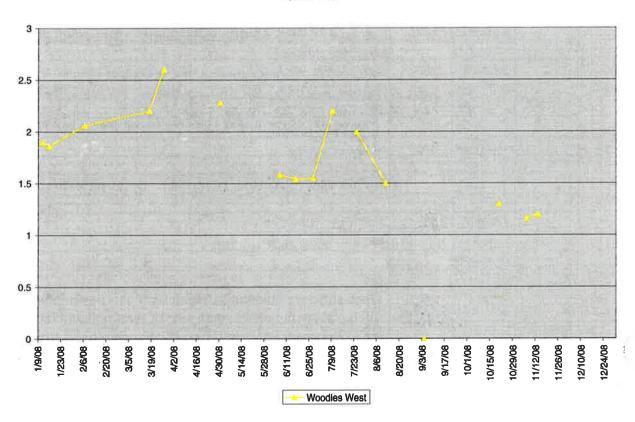
Water level	2009 Date	Actual Water	Notes	
guide	Date	level	Notes	
guide	Jan. 5	2.84		-
	Jan. O	2.8T		{
	Feb.210	73.4	Overboard-3 holes showing in fence post - Pat opened to let H2O.	1
7.7	27	70.1	Structure closed	007
	Mar. 3	73.4	Overhoom - 4/2 holes chaving of I"d hourd (about 4" decresses	i. 4 h
	6	3.(Overboard - 41/2 holes showing of 1" of board (about 4" decrease Propably opened on 315. Still open 10 am. Will close in p.m.	14 1720)
2.7-3.0	18	>3.4	ditch that curs File on the Soids of wood is out of brake in Pole	(a) id legido
	30	>3.4	ditch that runs EW a on the 5 side of Wood W is out of banks in field running into the 141+142 ditch (eventually runs into radar ditch EW) Cross over seperates ditches.	from dike to
	Apr. 22	+	at top of garage	
			75-75	
			opened arandown GII the way	
	May 19	7802,62	Still open	
			P.D Chardinate w Part.	
	PLAN S.		, S	
DM		31	Dry.	
0	June	2	Open structure btwn units, pump west unit down into radar	
	1	0.920	ditch – set pump up on south side of west unit and borrow	
	1-2,1-1.3	/f	area. Put water into south woods and open to radar ditch	
	9	D-dry	Decemmen Dry > water only inditch Pipe to ditch rusted thro /hole).
6, 57		0		
	July			
	Aug.		Dry Great response of Millet	
	17		Mowed	
	26		Flooding thru state ditch	
	31	1.66		
	Sept. 4	A 50	Floriday complete	16.55
		2.50	GIME-HOOG TOTTOOGE CITE ALL MISTALEMY SET THINGS IN UP IN	JUNE THE
		3 ,38	Unite-need reflooded? Ease mistakenty set thingson of in	side on
X C		2.32	10 P.M.	a complete a service
1.7-1.9	Oct. 1	2.22	and the same	
1.1-1.7				
		2.10		
	26	a.12		
	Nov.			
	Dec.7	2,18	i ee	

Unit: Woodies Roost West

Acres:

2008 Activity: High water on woodies east was let into woodies west in mid March. The Thompson was set up in the fall as part of the system to get water to the southern units.





Unit Goals: Provide foraging habitat and cover for wading birds and waterfowl.

Objectives: Manage for hemi marsh conditions

Strategies: East divider dike and south dike scheduled for repair. Draw unit down depending on construction.

Potential Problems: Beaver and construction

Unit: Woodies Roost West - Based on previous years, full pool is 2.6

O. 8-gauge meets bottom

Water level guide	2009 Date	Actual Water level	Notes
	Jan. 5	1.90	
	Feb. 26	2.30	
	Mar. 3	2.30	To the state of summer
2.6	18	2.28 2.50 2.40	Trapper (Hetric) thought their was enough the for good musk and summer and it is
	Apr. 22	1.9 ?	
	May\9	0	open to arawaam, water draining the ananny unit still tooded
Dq	June \	0	Open structure btwn units, pump west unit down into radar ditch – set pump up on south side of west unit and borrow
	9	0 7	area. Put water into south woods and open to radar ditch
	July		
15 mg	Aug. 4	0	
	31		Mowed Blind area Prooding
	Sept. 10		a thompsone flooding West side
	16 21		Unit needs reflooded? Water just reaching bottom of gate
	Oct. 13	6.00	1000
1.0-1.3	26	0.80	
	Nov.		
	Dec. 7	0.84	ice
	Este in		

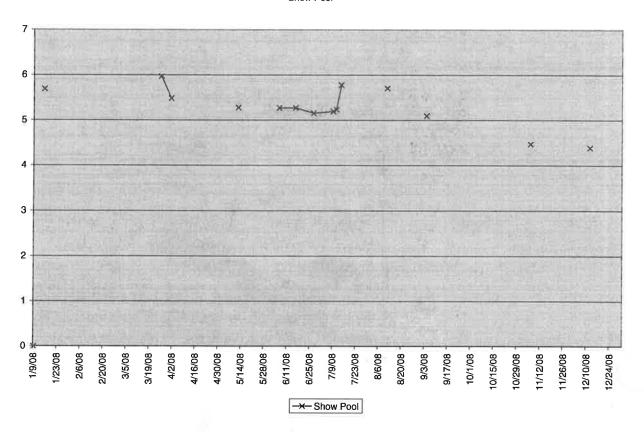
Unit: Show Pool

Acres: 41

2008 Activity: The water was so high in February, an extra board could not be pulled to

let water off faster.

Show Pool



Unit Goal: Because of the location of this pool to the office, it has been designated as a "show" pool with the intent that it can provide viewing of waterfowl including other wildlife and be a model wetland. This unit will be managed as a permanent wetland with deeper water to over winter fish and provide public catch and release fishing opportunities. Reevaluate in 2010.

Objectives: Increase diversity of emergent marsh vegetation and provide deep water for fish habitat.

Strategies: Monitor dikes, woods behind shop, and water depth on higher ground. Treat invasives.

Management Strategy Constraints: East dike and south dike weakest/lowest of unit. Max water level is 5.60. Ideally, we'd hve more water in showpool. The problem is low lake levels and lack of a water source. Future plans may need to think about dredging NS radar ditch or consider other managing for other habitat types (ie – scrub/shrub)

Unit: Show Pool

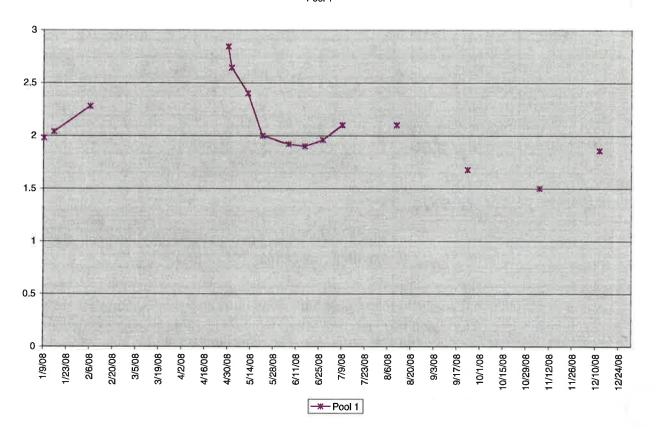
Agridrain 15 3/4" wide. Max water level is 5.60

Water level guide	2009 Date	Actual Water level	Notes
	Jan.		
	Feb.		
1	14 2	C -0	
5.60	Mar. 3	5.58	
5.00	30	5.76	Just worsely flowing out
	Apr. 22	5.60	** ***
			Shoot water levels btwn goosepen & showpool – look for possible connection
	May 9	5.4	
	June 2	5,35	Monitor beetles
	19	5.25	
	26	5.37	
	July 17	5.0°. 4.95	Evaluate middle veg Dirty Meter
	Aug il	/1 00	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Aug. 4	4.88	rearly take lovel - 3-4" higher
	2	4 689	Orty
THE ST	Sept.17	4.36	- water only in channel along dike & platform area.
	Oct. 20	4.28	
	26		
	Nov.		
	Dec. 7	41.26	/ce

Unit: Pool 1 Acres: 343

2008 Activity: High water was let out through the NW gate in May for 21 days.





Unit Goal: Provide habitat for nesting common terns, foraging herons, mussel beds, rails, and fish. As well as provide a rest area for waterfowl.

Objectives: The topography of this unit allows for a variety of water level depths. To provide habitat for nesting common terns, fish and mussels, maintain deep (3-4ft) open water areas. Provide emergent and submergent wetlands for wading birds, waterfowl and invertebrates. The higher elevation areas along the south and north parts of the unit will provide flooded grass and sedge areas for rails.

Strategies: Ensure unit is at optimum pool in the spring and allow evapotranspiration to decrease water levels no lower than 0.90 by September.

Management Strategy Constraints:

Unit: Pool 1 - Management may change based on Crane Creek structure

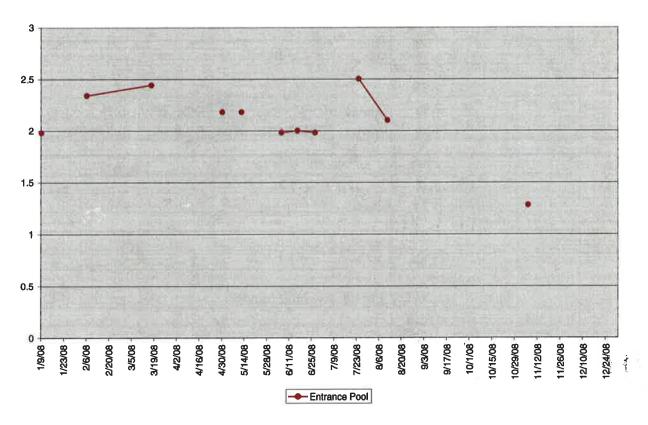
Water level guide	2009 Date	Actual Water level	Notes
	Jan.		
	Feb.		
-	Mar. 4	0.5	
-	17141.7	2.5	
2.0	18	2.76	Opened 10-12" tock. 19-Closed to CC 274
	26		Opened 10-12" toc.c. 19-Closed to C.C. 2.74 Opened 10-12" - Gate sticking might be off track@bottom 30 2.5
	Apr. 1	2.45	The same of the sa
	13	2.16	
	15	1-0	22 - 2.12
	27		Closed
	May 9	1.94	
107 11			
	Torre 1	137	D
	June	1.86	Put up new hunt blinds?
	19	1.78	
	26		
	July 17	1.81	
	28	1.40	Cirty!
	- 0	1.40	CHAIG.
			a a
	Aug.	1,28	
	71	1,18	Diety
14.7			
	Sept.		
	15 /F 3		
).90			
	0	A a.	
	Oct. 20		100 ducks @ N. W. corner (30 green W. I) C.C. > 1000
	26	0.90	
	Nov.		
	1.077		
	710-11-6		
	Dec. 7	0.90	
	200. /		

Set next years apal level in spring higher mayber 2.4° Unit: Entrance Pool

Acres: 150

2008 Activity: No active management. The extra rain in July and again in September allowed this unit to remain flooded the entire summer. It received excellent bird use the entire season.

Entrance Pool



Unit Goal: Provide a diversity of marsh type habitats, ranging from cattail stands to open water. Attract a variety of waterfowl, shorebirds, water birds, and wetland animals to provide opportunities for wildlife viewing. Control exotic invasive species.

Objectives: Provide shallow to deep emergent marsh. Maintain higher water levels to combat purple loosestrife.

Strategies:

Management Strategy Constraints: Water can only be added by using a portable pump.

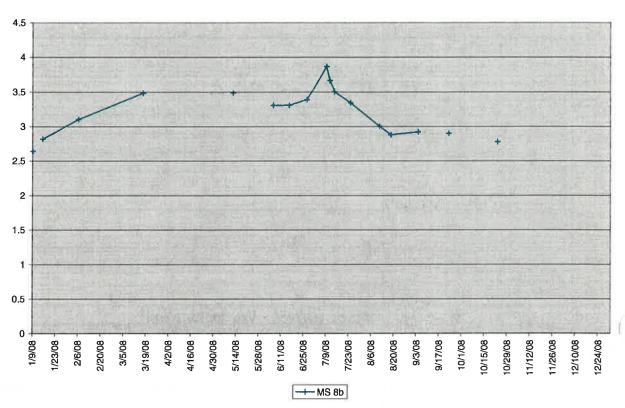
Unit: Entrance Pool

Water level guide	2009 Date	Actual Water level	Notes
	2/26	2.60	lce
	Mar. 4	2.68 2.80 2.74 2.42	11- 2.94 19-2.74 Pulled 4' board Flowing & /" ower based
2.0	Apr.aa	2.42	Flowing 2 1" over hound
>1.8	May	国2.3	
>1.8	June \	2.1	
	9 19	2.14	lots of burreed - Vey looks good!
>1.8	July 17	1,77	
>1.8	Aug.	1.66	
	aı	1.43	
	Sept. 15	1-16	
1 20	Oct.		1° 4
1.28	Nov. 2	0.98	Pull 1 extra board to prevent high water piling up in Nov-March. (intended to help beetles over-winter)
0	biec 7	1.10	Ice

Unit: MSU 8B Acres: 100

2008 Activity: In July the gate in the SE corner was opened to let excess water out. In Mid August the pump was turned on in attempt to maintain higher water levels. The structure in the pump ditch that goes under Krause road leaked much of the water that was being pumped back into the lake. Pumping was abandon after 2 weeks. The leaking structure was removed in the fall.

MS 8b



Unit Goal: Provide resting and foraging habitat for migratory birds.

Objectives: Manage against invasives and allow for more open areas in the marsh.

Strategies: Maintain high water levels in the unit throughout the growing season. This will likely require periodic pumping and active management.

Management Strategy Constraints: Water levels may need to be manipulated to install a pump structure from the Visitor Center ditches into 8b as well as add an agridrain to the south east corner of the unit.

Unit: MS 8b

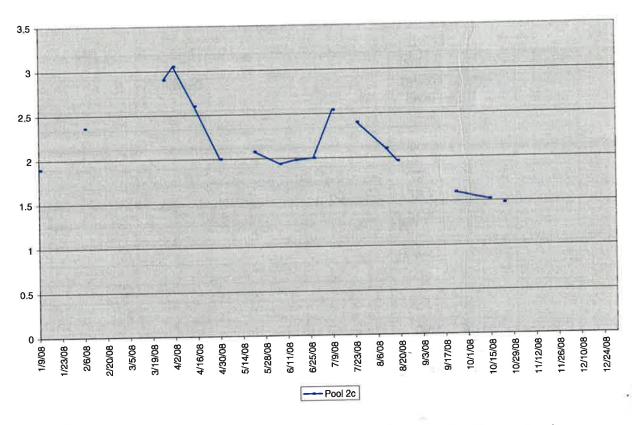
Full pool 3.40-3.46 – May need to pump to maintain high water. Readings can be taken from the SE structure measuring from waters surface to top of brace. Tape measure reading of $21 \frac{1}{2}$ " = 3.48 on the gauge

Water level guide	Date		Notes
	1/5	3.32	
3.4	Mar.	1 /8"	
	18		Opened SE gat 10am Closed 2 pm.
(up-	,31		at least 1" over board
Feli		0,00	10 1000 1 BOOK 1 BOOK
	Apr. 8	3.68	
41.48	May 7		
	19	3.51	
	2	7 355 3.4	0?
	June	3.41	
	9	3.36	
3.4	15		Pumpon Lam 18th - Pump OFF
1000	0 19	3.48	
nue g	July	3,59	
	July 10	3.30	
	JU/417	3.24	
3.4	Aug. 3		
7.4	Aug. 3		Pump on
7	1.7	3,38	OFF'
	21	3.28	18- Pump on Pump OFF 8/21
	Sept.	3.3 1	
		**	
.4			
	Oct. 20	3,24	25 gun
			- Juli
.4	11/2	3.24	
	WZ5	3,18	
	12/7	3,20	ice

Unit: Pool 2C Acres: 82

2008 Activity: High water was let off through the SE gate in April and late September.

Pool 2c



Unit Goals: Attract a variety of waterfowl, shorebirds, water birds, and wetland animals to provide opportunities for wildlife viewing. To enhance water level management capabilities, a project to ditch MS 8A and install individual stop log structures to Pool 2A, 2B, and 2C is proposed.

Objectives: Manage for hemimarsh conditions.

Strategies: Maintain higher water levels in the spring to stress surviving loosestrife plants (approximately 2.0). Allow for evapotranspiration.

Management Strategy Constraints: Water can only be added with a portable pump or high lake levels. High lake levels can also inhibit taking water off the unit and free flowing into the lake.

Unit: Pool 2c I think 2.0 on the gauge = about 2-21/2 ft of 420 across

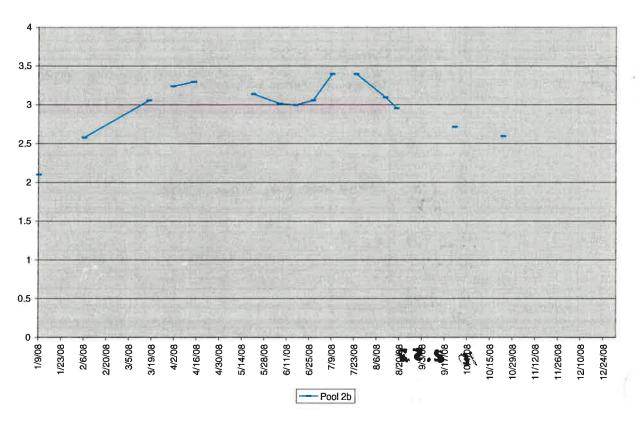
Water level guide	2009 Date	Actual Water level	Notes
	75	2.0	
1.7-2.0	Mar. 18	2.80	Opened 10" to C.C.
	30	2.16	20-2.58 23-2.38 NE wind-lake high-opened both gots to allow ac to be at rake beel. the flowing back in.
	A /	2.36	Leave open until minimum threshold of 1.7 is reached
	Apr. /	2.18	
	13	2.40	
	23	2.46	Opened Creek gate further (1/2 way)
	May 6	2.70	
	19	2.68	
		2,54	
	June 1	2.57	
	9	2.56	
	199	2.69	
	36	2.65	
	July 10	2.52	TOOMERED IN MILLION CONT. REPORT
	17	2.80	CLEANED IN MUD! CANT READ!
	0,0	dile	CCC. 1
	Aug. 3	2.103	dirty
	10	2.8	very dury
	17	1,92	Very Dicty cant see + 35 31-214 Didy
	Sant	11.4.	Very Dirty, cant see + 15 31-214 Dirty
	Sept.		
I DAT			
1011	Oct. 20	1.4	100 Mallards V gadwall
1.0-1.4	1110	1 24	16/11 - 1,48 Closed
	12/7	1.60	1111- 1110 010300
	10/1	1.60	
	INGRES S		

3/23rd coored

Unit: Pool 2B Acres: 95

2008 Activity: No active management.





Unit Goals: Attract a variety of waterfowl, shorebirds, water birds, and wetland animals to provide opportunities for wildlife viewing.

Objectives: Perennial smartweed is the dominant emergent vegetation in the unit, try to encourage more variety of vegetation. Provide areas of deep submergent wetlands for fish and invertebrates, as well as shallow emergent wetlands for wading birds and waterfowl.

Strategies: Obtain an average depth of 12-14 inches (guage reading of 2.0). This will provide wading birds foraging habitat and discourage loosestrife. Evapotranspiration through July and August will decrease levels 6-8 inches providing shallow wetlands for fall dabbling ducks and possibly some larger shorebirds.

Management Strategy Constraints: Currently there is no independent water control for this unit, unless a portable pump is used. This can be costly and needs frequent monitoring/maintenance. Refuge budget and project priority will determine water management activities.

Unit: Pool 2b

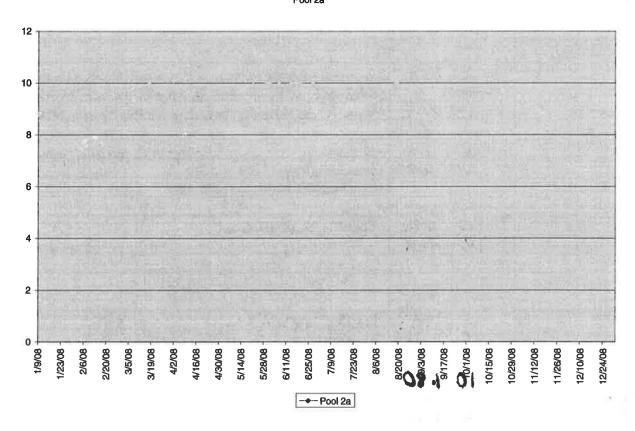
Water level guide	2009 Date	Actual Water level	Notes
	1/5	3.1	
2.3-2.5	Mar. 18	>3.4	Over gauge - I hade showing an post. Opened to 2A all the way. Opened gate on PI structure to 2B - let Howing C.C. Closed 2A/2B structure
	19		Opened gate on PI structure to 2B - let Hoointo C.C. Closed 2A/2B structure
	23		Maybe 2 holes shoung. Setting up another somp for 2B in NE corner
	30	73.4	
	Apr. 8	2.46	-still pumping - OFF in PM 9-ON+OFF pomping - pump problems
	20	a.30	Set up portable to take water out -
			Set up portuble to take water out -
	May 6	2.24	Egnets in Water smatwood
	19	2.2	COTOLS IN MOSE STRANGISTON
		0. 1	
	June	2.10	
	9	1.93	neter not readable!
	19	1,92	meter not readable!
	26	1204	
2.0	July 10	1.80	
	17	1.7	
	ર્વ	1.61	
	Ava 2	1 70	Ob the Color of the state of th
	Aug. 3	1.58	P.L. byd in SW corner + reeping up w dike. Higher level would be water
	1-7	1.34	topo on SE corner & West Site Rump on -8/20
	21	1.2-1.3?	middy meter 24-1.1 Pump OFF 31-1.1
	Sept. 8	1.08	The same of the sa
	Oct.		
1.5	20	0.90	150 ducks
	101		
	12/7	0.92	

K

Unit: Pool 2A Acres: 65

2008 Activity: No active management.

Pool 2a



Unit Goals: Control exotic invasive plants (Eurasian watermilfoil) and willows encroaching on high ground. Attract a variety of waterfowl, water birds, wetland animals and invertebrates to provide opportunities for wildlife viewing. To enhance water level management capabilities, a project to ditch MS 8A and install individual stop log structures to Pool 2A, 2B, and 2C is proposed.

Objectives:

Strategies:

Management Strategy Constraints: It is difficult to remove high water. 8a must be drawn down at the same time, or a portable pump set up. Water must be added via 8a, or with a portable pump as well. Portable pumps take staff time to maintain and may conflict with other project priorities.

Unit: Pool 2a

Majority of mudflats exposed at 7.66

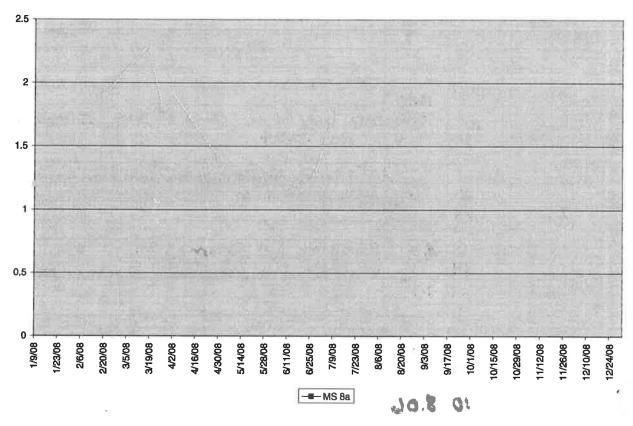
Water level guide	2008 Date	Actual Water level	Notes
9.0-9.3	Mar. 4	10-70	
	18	10.80	Gator taking His off opened to 2B too. 19-Closed 2B/2A gate-10.
	20	10.6	23-10.24
	30	9.7.2	ot.
8.0	Apr.	9.54	8 - 8.86 9am - mudflats in NE corner, island + areas along west side Pump of Set up portable to take water out - consider spring d.d. Rumping on &
	20	8.7	Set up portable to take water out - consider spring u.us Pumping on L
7.80	23		
de	May 12	a . 4	Pumping WI Mompson
9.0	May 13	2V. 7	Water still on east side (Pumping) - Tomp or
211		7.9	VICTOR STUTE OF COST OF STORY
7.66	27	1.1	
	June	8.3	
	9	8.142	
	19	8 1400	meter not recolable!
	2.6	8,33	11 11 11
	July 10		
	17	8,06	
	28	8:04	
8\5	Aug. 3	8.04	
_ \	10	7,98	
	20	7.70?	Pumping 28 into 2A. Pump OFF-8/24 -7.94?
	31	7.92	
	Sept.		
	Oct. 20	700	50 excesi
80-82	29	7.80	J. Julia
0,6-0,2	11110	7.80	Overed to SAFElling 2A) (Overed only 1")
	11/12		Opened to SA (Filling 2A) (Opened only 1") Opened Further 3-4" 11/24-8.1 Opened
8.9	11125	8.40?	The real former of the
0.1	17/7	8.62	Ice
	141	0102	

the gauge reads out and front a make after 10.6 19.9"

Unit: MSU 8A Acres: 56

2008 Activity: High water was let out in March and April.

MS 8a



Unit Goal: Provide resting and foraging habitat for migratory birds.

Objectives: Encourage marsh vegetation and invertebrates.

Strategies:

Management Strategy Constraints:

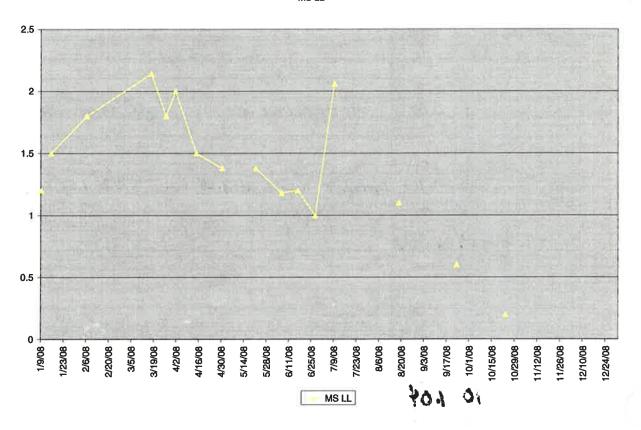
Water level guide	2009 Date	Actual Water level	Notes	
	2/12	1.98		
	Mar. 4	2.08 2.30	19-0 pened Ham 20-1.98 22-Closed 1.38, 23°	- 1.38
1/2	Apr. 8	1.54		, ,
1	20	1.70	Opened 4"-11am 21-1.64 8am 22-1.52 8am 3pm	1 closed 1.50
	May 9	1,46		
	June 1	1.37		
	19	1.19		
	July 10	404		
	38	8		
		*-	11 × D	
	7%	1.16	4. Pump on Pump OFF	
	31	.86	ы 	
	Sept.			
241	Oct. 20	0.52	50 giese 30 ducks	
0.7	21	0.80	Pump OFF 3pm	(
	11/10	1.20	Pump on putting the onto 2A OFF in P.M.	
	11/24		Pump on "	

12/1/88

Unit: MSU LL Acres: 27

2008 Activity: High water was let off in the spring and during significant rain events.

MS LL



Unit Goal: Maintain unique refuge habitat and native plants. Provide foraging and nesting habitat for migratory birds.

Objectives: Maintain marsh conditions.

Strategies: Allow full pool in spring and evapotranspiration throughout the season.

Management Strategy Constraints: Unit floods easily from rains, resulting in dramatic water level changes. Approximately 1.3 unit floods north woods.

Unit: MS LL Possibly, 1.30 is full pool. Higher water backs up into north woods,

Water level guide	2009 Date	Actual Water level	Notes
	Jan.		
	Feb. 12	1.90	
1.3	Mar. 4	1.90	
1.5	18	7.40	March 6 as Die denvil and (1) (Probet on (1) (1)
	19	2.08	Opened to c.c. Pipe doesn't appear to be functioning properly. 1:30 Closed- 20-2.0 23-1.86
		208	C10×q- 20-2.0 23-1.86
1.2	30	1.71	
1.3	Apr. 8	1.68	
	13	1.56	
	30	1.64	
1.3	May 19	1.46	
	June \	1.26	
	9	1,26	
	19	1.14	
	26	1,31	
, b == 0	July 10	104	
	0013	1.04	
	a8	.66	
	00	, GV	
	A	A 4-1	
	Aug. 3	0-56	
	~/	0.50	
	31	,06	
			1 inch Below
	Sept.		70.00
	n=1-12		
	11-1		
	Oct. 20	0.10	
	29	0.08	
		6/	27 uan
	11		Pumped down w) Thompson to look@ pupe
			Promped down (1) Thompson to looked pripe

12/7 " " 100.

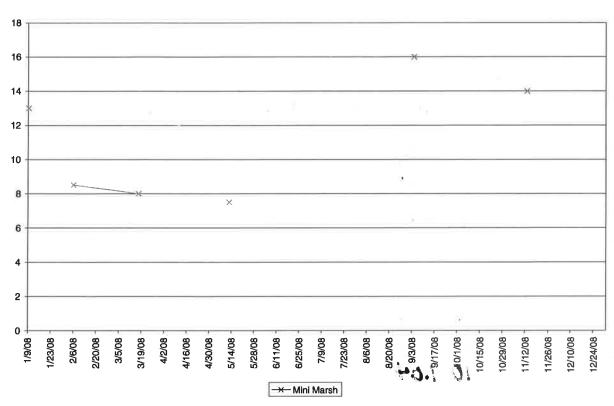
Unit: Mini Marsh

Acres: 30

2008 Activity: Minimarsh is used as a holding tank to pump up blind 93 in the fall.

During this time water levels fluctuate highly until pumping is finished.





Unit Goal: Provide resting and foraging habitat for migratory birds.

Objectives: Maintain as hemi marsh.

Strategies: Possibly conduct spring burn.

Management Strategy Constraints:

Future project idea: raise south dike - borrow from ditch and inside unit - taken from Habitat in ta 2/3/09
DB, EP, RH, SM

Unit.	Mini	Marsh
OIIII.	TATTIT	IVIAL SIL

Measure from waters surface to top of splitter box. If water in unit gets much higher than half way up the side of the discharge pipe, water leaks through splitter box to Crane Creek. Needs new flap gate.

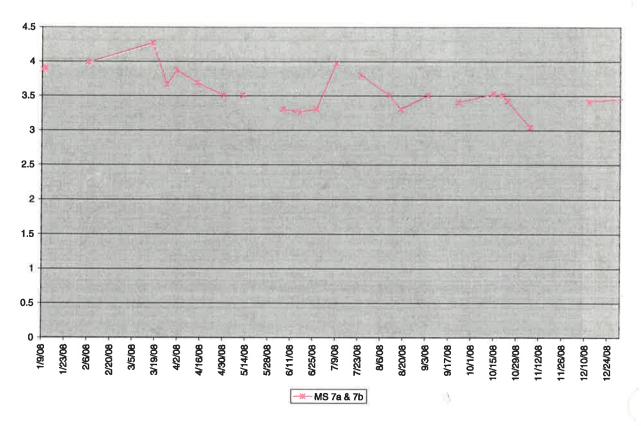
Water level guide	2009 Date	Actual Water level	Notes
	Mar. II	51/2"	
8"	Apr.		
	May	101/21	
	June \	12"	
	July (13.75"	
	ar	15.5"	
	Aug. A\	19"	
	Sept.		
	Oct.		
10"	12/1	23 1/2 "	tve

Unit: MSU 7A & 7B

Acres: 94

2008 Activity: High water was let off in spring and water was added in the fall.

MS 7a & 7b



Unit Goal: Provide migratory bird foraging and resting habitat. In addition the transitional areas on 7B will allow for easily accessible upland habitat for nesting as well as provide a gradient of water levels.

Objectives: Manage water levels against invasives.

Strategies: Maintain full pool by pumping throughout year as needed and treat invasives.

Management Strategy Constraints:

Future project: raise Krause Rd to maintain deeper H20 to control Invasives



Water level guide	2009 Date	Actual Water level	Notes	
	1/5	3.60		
	2/12	3.90		
3.5	Mar. 4	3.70		
in an in	9	3.80		
	12	4.28		30 3.59
	18	3.86	Opened 6" 12:30 Closed 3.66-19 20-3.66 23-3-62	30 2,51
	Apr. 8	3.68		
	21	3.68		
	May 19	7 74		
	19	3.66		
		(a, c o		
	June 1	3,52	15-338 Pumpon 10am 16-3.46 17-3.50	1
		3.46	13 0.00 10.000 10.000	*
	18	3.58	Pump OFF	
		3,58	Pump to maintain full pool if necessary	1
	July	216	Fump to maintain run poor ir itseessary	
3.5	Idau	3.33	Hard to read-Dirty Meter]
3.3	28	3,18	Dirty	
	Aug. 4			
	10	3.06		
3.5	21			-
	Sept. 4	2.78		
	(6	2,68	pump on 11:20 Am	1
	17	2.80	0.00	-
	21	2.92	OFF 10:30 22-3.02	1
	Oct. 16			4
3.0	99			
	12/7	3.06		-
	12/18	3,14		_

OLD STAFF

NEW STAFF

3.14

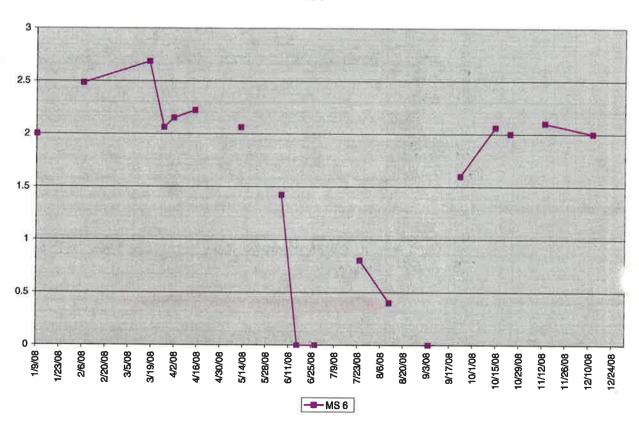
73.96

O CON

Unit: MSU 6 Acres: 70

2008 Activity: High water was taken off in March and put into FU6 and then Crane Creek. In June water was let out into Crane Creek to complete north dike slope on unit side. The unit was drawn down for a month and pumped up in mid July. For the rest of the summer through September, the unit would dry up through evapotranspiration and then would be periodically pumped up to maintain mudflat habitat.





Unit Goal: Provide foraging and resting habitat for migratory birds as well as brood habitat.

Objectives: Manage for hemimarsh conditions.

Strategies: Maintain full pool

Management Strategy Constraints:

Unit: MS 6

Water level guide	2009 Date	Actual Water level	Notes
	15	2.22	
	2/12		etrong SW wind
	2/13	2.90	Opened to c.c. in A.M., closed 2/14 A.M. @ 2.5?
2.0-2.4?	Mar. 4	2.50	the Court - MCC - I be Court
	9	2.66	Taking H20 off FUG thru MSG - MSG opened to Creek
		2.66	Closed 11-2.78? Windy - Opened to G.C. + FU6 12-2.78 Closed
		2.70	Opened to C.C. 4" 19-2.60 20-2.56+ Closed@3pm-2.40 23-3.5+ Opened C.C.
	Apr. af	MANAGEMENT CONTRACTOR	Closed > 26- 2.48 - closed FU6 gak 302.46
	Apr. 4/8	2.48	Opened 10am to C.C. + FUG closed in Im.
		2.54	Opened to C.C. 8:30am - Closed 3pm 22-2-50 opened 8
		2.16	27-2-42
	May 7		
	19	2.34	
	7	10.0	
	June 1	3.01	
		(20.1	1
	15		
1.5		2.05	Evaluate water depths – pump if needed
1.5	July 26	2.16	
	301917	1.96	
	28	1.100	
	100 4		HULE closed to MS6. I think HULE watershed has helped MS6 stay Foller
11340	Aug. 4		HUL Closed & MSG. I mine to a majorsing
	18	1.46	
	7 /	1,28	
1.5	Sept 25		31 - 1,4
1.5		128	2-Dma off 1.78
	Sept 1	- 125	Pump on - 2- Pump off 1.78 (Pumping MS ditch down ont off Pumping UP for HUE. 24- Pump off 2.6
	17		A P for HILL 24- Pump off 2.6
	22		Pump on to
	Oct.	3,2	Pump OFF
	6		406 FUL
	1/3		706 704
	30	2.64	75 grest 50 ducks/cooks
	12/7	2.50	1) give to
	12/18	2.54	
	1011	0.10	

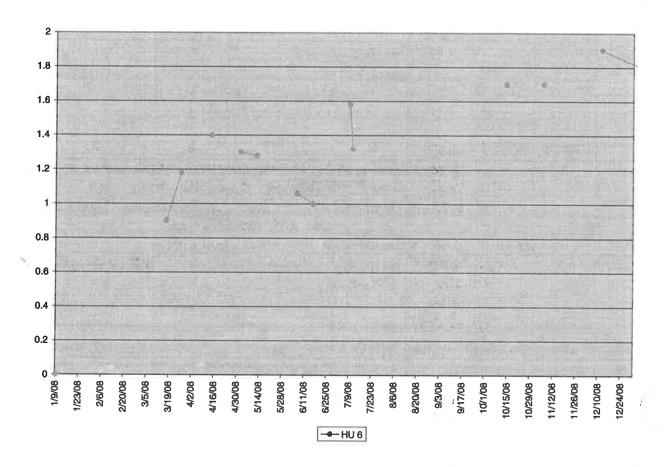
2.54 = 75.40

Unit: Hunt Unit 6

Acres:

2008 Activity: In early July, high water was let out of the unit to allow for better

germination of annual plants. The unit was reflooded 9/21/08.



Unit Goal: Provide foraging and resting habitat for migratory birds as well as provide a quality hunting area.

Objectives: Manage for good annual plant production and establishment of some perennial vegetation.

Strategies: May need to remove high water in spring and early July.

Management Strategy Constraints:

Water level guide	2009 Date	Actual Water level	Notes	
	Jan. 5	2.08	1/8 - opened into MSZ 1/14- 2.0 Closed, not flowing into MSZ	-
	2/12	2.20	1 2 Closed, not Flowing into MS2	-
	Mar. 4	2.18		-
	9	2.30	-Opened to MS 6 (34 opened)	
	10	2.18	Take water out (pilmn or remove coffer dom) (1)	3/19-2.06
	11	2.38	Opened to MS6 gam 12-220 Closed 3pm 18th-2.14 Opened Manage for ideal dabbler conditions 4-6" 3/23-1.76 26	917 a.00
	Apr. 3/20	1,94	Manage for ideal dabbler conditions 4-6" 3/2 2- 171	to MS6 + C.
1-1.4	4/8	1.74 -	-Opened to MGS	- 1.68 CA
	13	1.60	21-176 23-168	701.68 M
	May 56	1.56		
	19	1.56		
	June 1	1.4		
	9	1,36		
	19	1.26		
	26	1.34		
MY TO	July 7	1.20		
	- 12	0.70		
	28	84		
	Aug. 4	0.78	Clarity new On Changethe	
	10	ं ।	dry WI some areas Still might call to	Init mostly
	21	U	losd to MSG. Opened to MSditch. How mainly in dith. I dry WI some areas Still moist Cattails wil high areas having ros	hos, bidons,
	Sept. [4]	0 1	Replacing Pipe to FUE & MS difeh. Begin flooding hunt unit	
	23	~>	Begin flooding hunt unit	
	2			
	Oct. \$6	276	Full - MS6 - 2,78	
.7-1.8	1217		10 sect to m56	

NEW STAFF
73.36

Water level guide	2009 Date	Actual Water level	Notes	
	Jan.			
10. 3	Feb		Boards are down blun N+S.	
	Mar. 9	Close to Full	opened to weler ditch - dike erosion	1 000 12/
inh.	12	Closed	Set bound when units by sharehirds 18-20" from	CON CONTRACT
4.4	23	Closed		
	Apr.			
	May			
	June			
	July			
	Aug. 17		Turned pump on to fill N+S units.	
	20	6712"	© SE structure	1
	31	441/2"	600 Dicks	-
	Sept.4	43"	4-43"	
	29	48"		-
	Oct. 13	43"		
	11124	44/20		
	12/7	441/2	Closed to South gide	
	E payway			

Rail Unit - NEW STAFF

8/20 - 51'/2 .

8/31 - 42

9/4- 40"

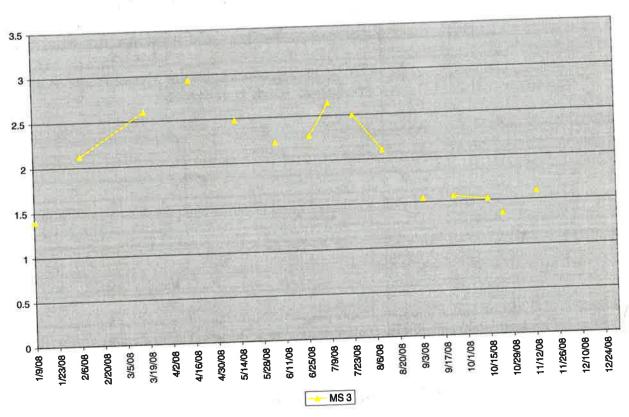
Unit: MS 2 South

Water level guide	Dat	te Wa	nter Notes
	2/12		Structure to pump ditch may need to pull I more board as
	Mar.	9	unit Fills - WATCH!
N+5 strac	nre>	12th > 18-2	bottomlog up bytom N+S unit - opened to Velor ditch
		19	
			Closed boards to MS differ. Opened boards blun N-5 to yele 23
	Apr.	13	3814"@ MS 1741
SE struc		27	391/2" Closed boards to MS ditch ext.
	May t	9	
	June		
	lule:		
	uly		
P	ug. 20		@ NE structure - open to N. unit. Pumping into N. unit
	31	43"	I FIF DE SEA I
S	ep. 4	371/2"	(OSE str. 13" of freely and inches!
O.	8 Ent 15	3412"	The state of the s
-	9pt. 15		
	29	373/4"	
O	et. 8	21.45	0
	13	36 12"	fump on
une fai	1.5	23	
No	ov.		
		34"	
	1	U I	Full Pool 15 23"

Unit: MSU 3 Acres: 225

2008 Activity: High water was let out in April. The double screw gates leak in the SE corner. Water levels dropped very low by fall. Much of the west side and interior had little to no water. Low lake levels and other management activities didn't allow for water to be added in the fall.

MS 3



Unit Goal: Provide a nesting and feeding area for migratory birds as well as brood habitat.

Objectives: Maintain as hemi marsh. Provide emergent and submergent marsh habitat for waterfowl, swans, and rails.

Strategies: Maintain flooded optimum pool. Dike work will be done on the north side and the SE screw gates will be replaced. Manage for higher water levels in the late summer/fall than in previous years – goal of 2.0

Management Strategy Constraints:

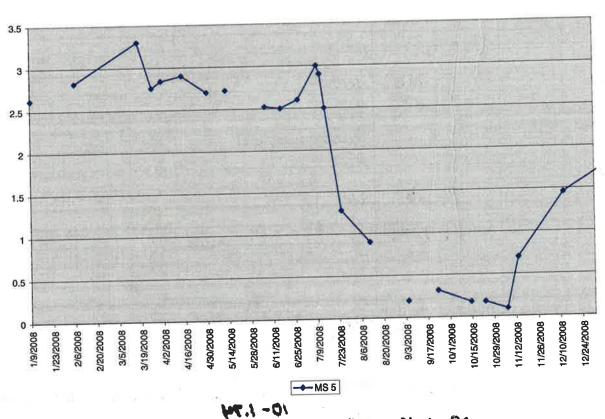
Unit: MS 3 (when filling, open 24" gates all the way, 36" gate on ditch open only 1')

Water level guide	2009 Date	Actual Water level	Notes	
	1/5	331/2"	1.8	
	Mar. 4	2814"	Trapper (Mayes) thought it could lose 4" for good summer my	skral conditions
	18	25"	2.60	
	30		2,58	
2.8?			Evaluate water level	
	Apr. 8	25"	2.60	
			X.60	
	29	25"	2.60	
			3.0	
	May 9	2.54		
	June	2.41		
	9	2.32 3	28724	
	19	1 2	40 17	
II REI	26	2,32?	Intra re-	
		2.16	lotsa Green Scum	
	-0	20	Opened last 10" Potting in Draw down for construction & horeburds	\$
2.5		21.0	511 53 1 0-1.74	
2.0	10	1.40 3	39" 7/15 Closed -42"	
	Aug 20		7/21-Opened; 42" 7/23-Closed; 481/2"	
	Aug. 28	8	N & D	
	2112 25		mostly dry	
	AUG 21	Ö		
	3(0		
	Sept.			
2.0				
2.0				
-1 -14	Oct.	→ (construction Compact - Wid Cotto, Od Plans office Post of	7
7.5M		0.64 4	Construction Complete - Now Catherly Phray thick Rost & unit has patry catail we barry and or R.C.G. thick in Some areas of burned - especially on west Side, South yas loke of water smartased on flower. D.D. too last you of martased to seed.	h a
		5	Some areas of burned - poperially as toled Od C. il	lotwn.
		V	40 lott of liber markened a Classe D D to let	rice
		S	in watered to coad	rass d
1.7	11/24	1.32	The state of the s	
	12/7	1.28		

Unit: MSU 5 Acres: 256

2008 Activity: A partial draw down was initiated in March. The complete draw down was started July 9th and dry on the west side by August 1. The divider dike between ms 4 and 5 was redone. MS 5 provided great shorebird habitat for fall migration and was the site used for shorebird banding.

MS 5



Unit Goal: Provide a resting and feeding area for migrator birds \\ \(\)

Objectives: Manage for hemimarsh conditions and prevent further establishment of Purple Loosestrife.

Strategies:

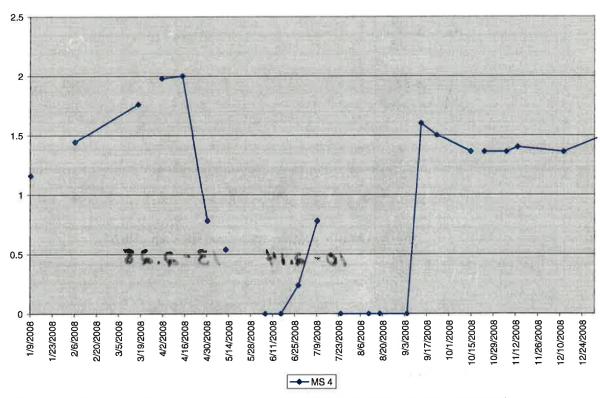
Water level guide	2009 Date	Actual Water level	Notes
	115	1.64	
- Midig	2/12	2.20	
	Mar. 4	2.06	
	9	2.20	
	18	2.34	
2.7-3.0	30	2,3	
	Apr. 8	2.3	
	21	2.42	
	27	2.28	
	May 6	2.32	
	19	2,26	
	June \	2.14	
	O	2.04	
	101	2.08	Dirty meter
	26	2,14	pir iq rec .or
	July 7	1.94?	Dirty-putting HzO from MS3 into MS5
	8	2.04	10-2.14 13-2.28
	17	2.32	
2.3	28	2.32	
	Aug. 4	2.32	ms 5 closed to Ms ditch
15 1	10	2.24	
(195)	81	2.12?	Diray
	31	2,1	
	Sept. 4	2.06?	Difty
	15	1.94?	Dirk
	Oct. 20	1.82?	1500 d 1 - M 11 C d 11 10 L 1 C = 01 1 0 =
1.7	27	1.76	1,500 ducks - Mall, Gadwall Pinters, GILST, Black, BUT + 600 > 2,000? 3,000?
			,
	12/7	2.0	ile
	MEN'S II		

(Wigeon)

Unit: MS4 Acres: 112

2008 Activity: In late April it was discovered that someone had opened the NE screw/flap gate and threw the wheel to the structure into the wetland. Most of the water in the unit was released into Veler ditch. It was then decided that it would be best to manage for spring shorebird habitat and additional water was removed. This also benefitted construction goals for the 4/5 dike. August 4th the unit was completely dry and areas of reed canary grass & flowering rush along the west side were disked under. Areas of green up were redisked 2 weeks later. September 6th, the unit was reflooded. Millet responded well to the drawdown in undisked areas and the unit received excellent bird use in disked and undisked areas. Disked areas were higher in elevation and had less than 4" water. Disked areas were used as loafing areas for mallards, black ducks, shovlers, teal and pintail.

MS 4



Unit Goal: Provide a nesting and feeding area for migratory birds as well as brood habitat.

Objectives: Repair east dike/road.

Strategies: Maintain high water levels to combat R. Canary grass.

Water 2009 Actual level Date Water **Notes** guide level 1/5 1.58 2/12 1.96 2.5 Mar. 4 1.70 Evaluate water - may need more (2.5 might be too high fix 5 file 1.90 18 1.96 30 1.86 Apr. 8 1.94 21 2.02 27-1.90 May 4 (leaking into MS difch) 1.70 1.64 16 1.62 June 1 lots of F. R. +R.C. 26 July 17 :98 28 Aug. 4 0.90 062 21 0 Still Hall but not reaching Meter Sept. Oct. 27 0280 1.3-1.5 1.80 RA 196 12/7 12/18 1.94

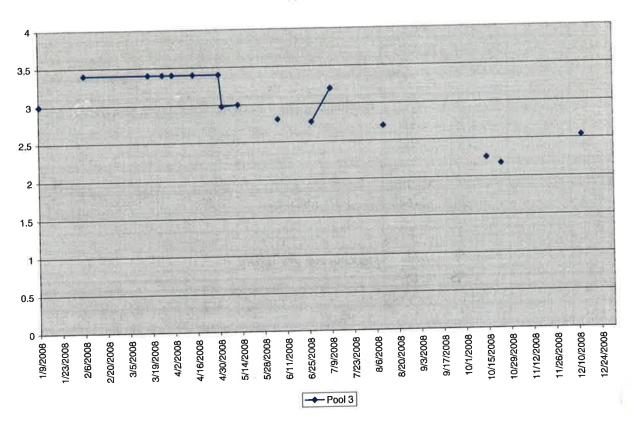
Shoot gauge Reading mark!

> 0LD NEW STAFF 1.94- 74.52

Unit: Pool 3 Acres: 240

2008 Activity: High water was let out in April.

Pool 3



Unit Goals: The primary objective of this unit is to provide food resources and resting cover for migratory waterfowl, waterbirds, nesting Bald Eagles and other wetland animals. In addition water levels are managed to encourage native wetland plants and discourage exotic invasive species.

Objectives: Manage for hemi marsh conditions.

Strategies: Conduct winter burn to remove leaf litter and make areas more accessible to migratory birds. A burn will also make spraying invasives more effective by increasing spray contact. Maintain high water levels so that the west end has deeper water. Realize that evapotranspiration could decrease spring water levels one foot by October.

Water level	2009 Date		
guide	25416	leve	NOIES
8-100		1000	v1
	Mar.	1 3.2	4 Transport M. the ht
	9	3,30	
	2	0 3:38	0? " "Opened to C C 3" Have
		6 3.30	30 3.18
Clos.	Apr.	4/1	
ALC: N	4/	3 #8	3,02
	a	7 3.04	1
226	1		
3-3/3	May V	9 2.99	8
III a 2 II S			
	Tues	120	
	June	2.8	
	19	13.70	9
	11	1000)
	July \	2,33	
	28		
1	010	203	
45 6	Aug./()	2.09	
	21	1, 92	
	31.7	11 100	
	Sept./6	1.74	Fire? West half drylmud
			rais drymod
	HTI NOUN		
1115			
. 1			
	Oct. 20	1.60	100 cheks - (6.C. 100 ducks)
	ച	1.60	(VIVI TOU BUTKS)
	12/7	1.58	\ce
	12/18	1,63	

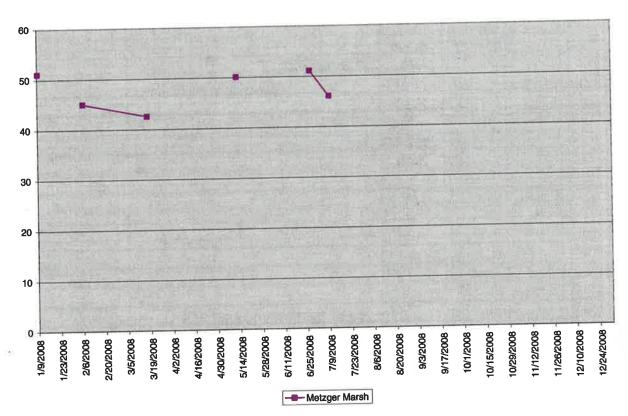
0LD - NEW STAFF 1.63 72.20 raffails on west ended rats Unit: Metzger Marsh

Acres:

2008 Activity: The gates were open in April for atleast 1 week.

For chart, remember higher water level numbers, mean lower water levels. Water is measured with a tape measure from waters surface to top of east lower platform.





Unit Goal:

Objectives:

Strategies: Allow fish passage after trapping season and as soon as ice thaw allows. Close gates by June 1.

Last draw down 2004 - down by mid May reflooded Early August

Unit: Metzger Marsh

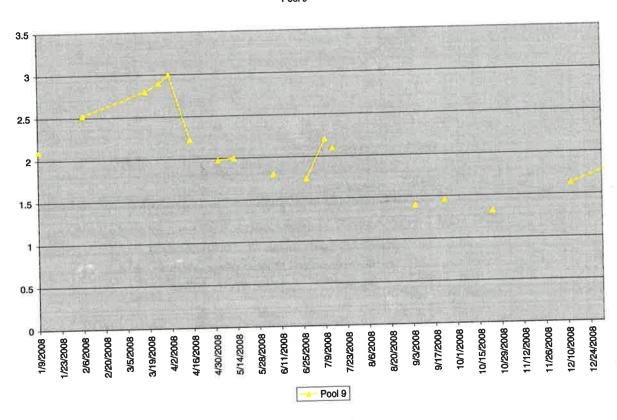
Measure from waters surface to top of lower platform on unit side. Maintain full pool for control of invasives.

Water level	2009 Date		1	
guide	Date	Water level	Notes	
	1 100			
	7,348			
	Di Mai			4
	Mar. 4		Lake 54"	
	9		Opened to Jake Or (state)?	
	- 11		Open to lake A Pot with the along the	
	APT. 12		Plater I gade open 9:45 am - top of accurate in closed	3 gades ope
V.	4/8	3 51"	Open to lake 1 Pat will likely close it, unless it equalizes Lake 1 gate open 9:45 am - top of gauge chowing - closed. Miggles closed. lake 44"-strong NE wing All gates closed - top of gauge showing Lake 40" - gates still closed	P.M.
	4/21	48"	Hill gates closed - top of gauge showing	
	May	1 49"	Care TO - gates Still Closed	
			Close to lake?	
	June 1	50 "	22000 to lake:	1
	19	5113		1
	- /1	515"		
	July 7	5411		
	28	5)"		N.
	Aug.\()	5111		
	2	55"		
5	Sept.			
	1 ct 20	52"	3.06	
			0	

Unit: Pool 9 East

Acres: 77
2008 Activity:





Unit Goals Provide resting and foraging habitat for migratory birds.

Objectives: Manage for hemi marsh conditions.

Strategies: Maintain full pool.

Water level guide	Date	- 100000	
2.2-2.5	Mar. 4	2.3	(111-7-11-11-11-11-11-11-11-11-11-11-11-1
	12		(White-winged eggle MS 3 NE corner)
	18	3 2.60	20-2.4 22-Closed a.a - Great duck use
	.30	4.0	3 5 10 sed a. a great mor yel
	Apr. 9		>looks gad. 4/8 - 2.28
		5 2.30	Geened 17-19 Classed
173	2	7 1.94	28 - Spenod for d.d. (dike worken side) 30 - 1.60 opener
	May	1 /16	
	100	1.48	Closed 3-Opened
78	Ià	1.28	a" or less over most of unit (excluding borrow areas
	1	11.00	
	June	096	D.D for dike work along Veler Rd.
70 71	a	1.42	
	12	2.00	Pumpoff. 6/15-1.98
	19	1.98	Pump up immediately after construction done
	July 7	1.72	y most construction done
	28	1,64	
	Ana Ito		
	Aug. (1.6?	grass , high hard to see #15
20.71	31	1,4	0
	- 1	1,4	
	Sept. 16	1.26	
		1, ~10	
W R			
	n Althur		
	Oct. 20	1.22	- 300 ducks - GWT Mall, Pintail, 50CG
	27	1.22	-300 ducks - GWT, Mail, Pintail; 50CG
	1917		ω .
	12/18	1.32	Q /

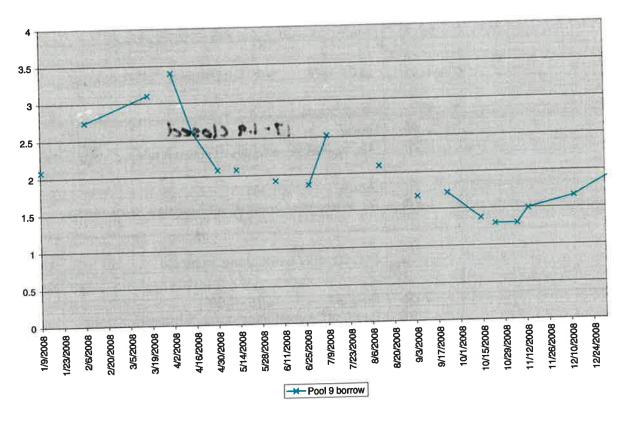
060 NEW STAFF 1.32 - 73.62 Unit: Pool 9 borrow area

Acres: 38

2008 Activity: High water was taken out in the January and March. Water was added in

July.





Unit Goals: Provide habitat for waterfowl, wading birds, and shorebirds. Provide public use waterfowl hunting opportunities.

Objectives: Obtain 19 acres of deep to shallow submergent vegetation and 19 acres of deep to shallow emergent vegetation. Control Eurasian watermilfoil. Maintain 3 water blinds for waterfowl hunting season.

Strategies: a minimum of 1.3 needed to provide adequate hunting access in fall. Draw down briefly and quickly reflood for dike work on south side.

Unit: Pool 9 borrow area - Last draw down 2005, Complete by May 9.
Reflooded Sept. 7 thru Oct 18. (Clogoma issue)

leve			iter	+ 18. (clogging	Notes	
	Mar.	4 2.0				
2.0		26 2.31	Opened to Ve	eler ditch. 7" 20- ", Allow for a slower of	2.64 23-2.	32? Windy
1	Apr.	8 2.0	-> looks good	/	1110	10:)
3E	May	5 2.4 27 2.08 7 2.10	Lake high	17-2.30	21-2.44	23-2.26
Mode		7 2.10	8			
	June	11.90				
		5 1.84				
	July	1.50				
offood 1.5						
	Aug. 4	1.84	Opened to C Closed to	C.C.	1.64	
	Sept. 23	1.74		31-	1.7	
	36		Open to a	C. in AM. Closed	@ 4pm	
8-1.0	Oct. 7	1.42	Opened to a	C.C. In A.M. Close	od S. P.M	
	20			11 18-11 (10c) (Chill Into	
	12/7	1.52				

Unit can be late level in Spring.

OLD NEW STAFF 1.62 - 71.88 ₹ .K - ٢ |

790

a superior of the superior of

Unit: Pump Operations & Pump Ditch settings

Water level guide	Date 2009	Actual Water level	Notes	
	2/13		Ditch Open to lake	
	Mar.			12
	Apr.			
				ı
	May			
	Iviay			
	read the second			
	June			
	July			
	9,54 10			
	Aug.			
	EQUIPED A			
	Sept.			
	Oct. 6		I Pump turned on for Dick C: - Pumping dite	h Up.
	8		I Pump turned on for Dick C: - Pumping dite Pump of F Blc of long weekend.	
	13		Pump turned on for Churnes.	
	11/23		Pump OFF Pump on 9:30 Ama Flancier of Film DIEP3 1	122-04000
	12/22		Pump on. 9:30 Am. Flap closed Filling PI+13 1 Warnisck called, want high Hze off	121 - Pungpur P.
	10/		The state of the s	

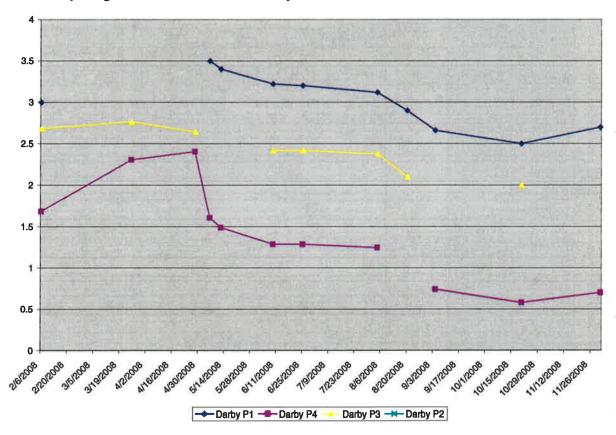
16000 J

686843753 10/15 Meter.

Darby

Unit: Pool 1 Acres: 200

2008 Activity: High water was released in May for a week.



Unit Goal: Provide resting and foraging habitat for migratory birds.

Objectives: Provide a hemi marsh rich in invertebrates and decrease P. Loosestrife infestations.

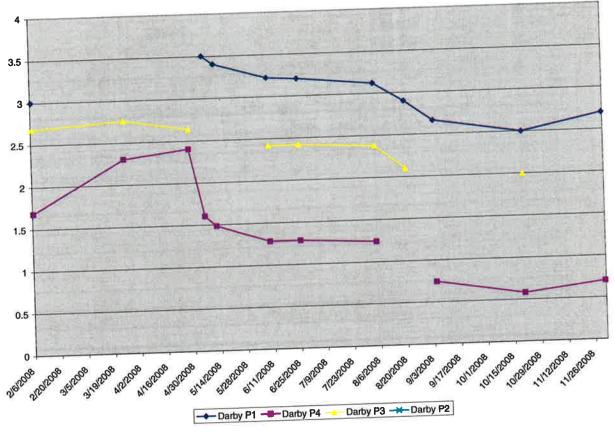
Strategies: Manage unit at full pool

Unit: **Darby Pool 1**Maintain full pool. Significant amount of mudflats exposed at 1.7

Water level guide	Date 2009	11,000	Notes
	2/13	73.4	2" From top of board
	Mar.	1 73.4	opened 5" over the gauge + board
		8 3.18	Closed 2pm
	3/	3.14	
	Apr. /	6 3.22	
	May	3,14	
3.4	May	3,14	
	June 3	3.08	
	25	2.92	
	July /ð	2.78	
F	Aug. ()	8.55	
	21	2.44	
	8/26	2.40	
S	ept.		
0	ct. 8	2.10	
	13	2.14	
	3	132 2	14 24 11/25-2.16
	1/27	2.26	11/36 200 11/30-2.24

Unit: Pool 4 Acres: 170

2008 Activity: High water released in May.



Unit Goal: Provide marsh habitat for migratory birds.

Objectives: manage for plant diversity and hemi marsh conditions.

Strategies:

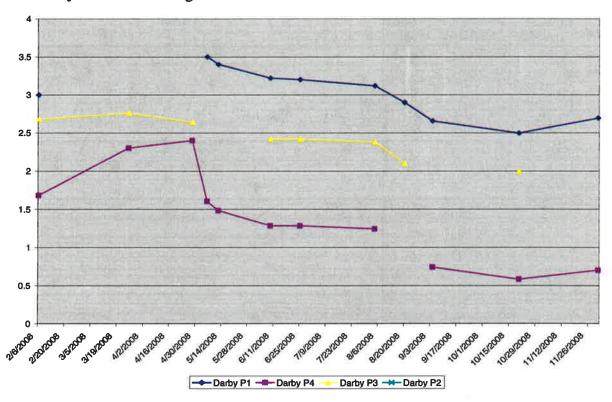
Management Strategy Constraints: Unit has a history of purple loosestrife infestations. Particularly along the SE corner.

Unit: Darby Pool 4

Water level guide	Date 2009	Actual Water level	Notes
guide	2/13	1.46	
	Mar. 11	1.80	Opened 4-5" Closed 3/18-1.5
	16	1.5	Closed 3/18-1.5
	31	1,48	
	A 4/	1	
	Apr. 16	1,57	
	May N	1.52	
	Ividy II	11.7 4	
1.5			
	June3	1.54	
	15	1.42	
	15	1.37	
		in as i	
	July 10	419	
	Aug.	1.02	
	Aug.jo	.94	
_	26	0.80	
		0	
	Sept.		
	NET T		
	3		
	Oct. 8	0.58	
	21	0.56	
	11 3	0.60	
71	23,1124	0.54	
	11/30	0.60	* _
-	12/23	0.76	14

Unit: Pool 3 Acres: 25

2008 Activity: No active management.



Unit Goal: Provide resting and foraging habitat for migratory birds.

Objectives: Provide a combination of both annual and perennial vegetation in a hemimarsh.

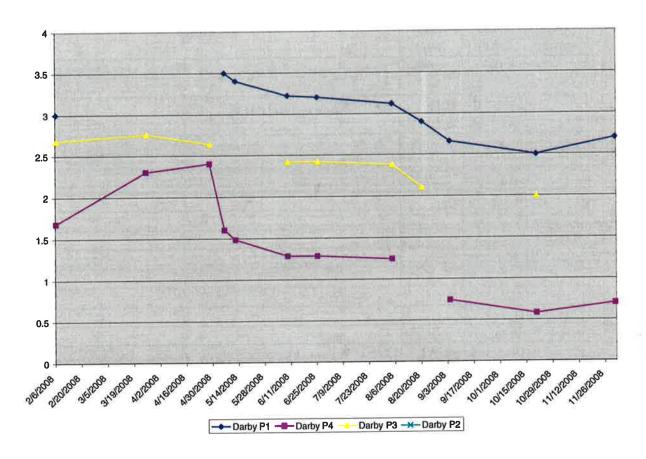
Strategies:

Unit: Darby Pool 3
Full pool (2:64)

Water level guide	Date 2009	Actual Water level	Notes
	2/13	3.05	Flowing over boards, but this scens han across men
	12-2		have moved.
LEME	Mar. II	3.16	58" Flowing overboards
	18	3.0	
	37	2.94	not flowing over boards, water flowing
			not flowing over boards, water flowing out slowly over law spoton South dike
	Apr. 16	2.98	- I board pulled - 5" (may have slid down in box over w
			, , , , , , , , , , , , , , , , , , , ,
2.5-2.6			
2.3-2.0	Morris	0.5/	
	May\\	2.56	
	June 3	2.55	
	(5	10 24 ?	Notes and the first of week 1
	26	2 37	DIRLY Meter Mostly wintersmathwest
	OW	4.51	Directly 17 12 COC .
	July 16	226	
	7,10	SIMO	
	Aug.	2.06	
	21	1,95	
	26	1.90	
	FIELE		
	Sept.		
- 1			
	Oct. 8	1.58	Very Shallow- some mudfluk showings >4" H20
	21	1.64	
	11/3	1.66	
		1.64	11/25 1.86 11/27- 2.0 Closed boards
	11/24	1.78	11/25 1.86 11/27- 2.0 Closed boards
	11/30	2.0	
	1423	2,16	

Unit: Pool 2 Acres: 25

2008 Activity: No active management



Unit Goal: Provide resting and foraging habitat for migratory birds.

Objectives: Manage for hemi marsh conditions

Strategies: Manage unit at full pool. Install new water gauge.

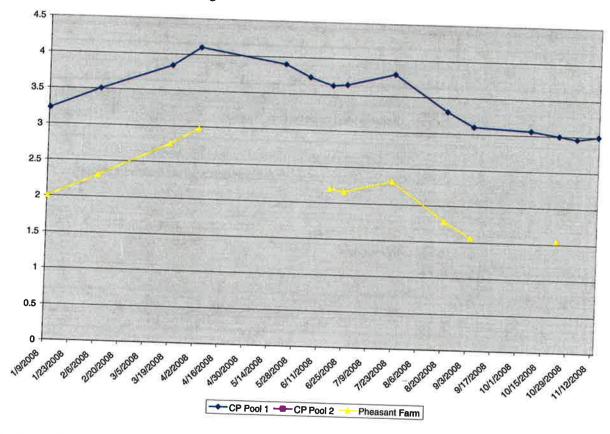
Unit: **Darby Pool 2** Maintain full pool.

Measure inside box, unit side, to top of structure

Water		Actual	
level	Date	Water	Notes
guide	2009	level	
-	Mar.	501/2"	Added I board (4"). I" below top of brand.
	18	511/2"	Added I beside 1. 1 action to the best of
	30	513/4	
	20	21//	
	Apr.		
7011	May II	513/8"	
TEFF	E E E	J. J	
-			
	7	C 24/1	
	June 2	5214"	
TITE	July 10	561	
17.5			
-			
	1 1 6	CA	
	Aug. [/)	56,5	
	a)	100"	
	Sept.		
	0.4.0	1 .1 1/ 11	
	Oct. §	6412"	
	11/24	6412"	300 ducks
	11/20		
1 = 8	12/23	1034	
77	16/2	4-5	
77			

Cedar Point Unit: Pool 1 Acres: 1,460

2008 Activity: No active management



Unit Goal: Provide nesting, foraging, and resting habitat for a variety of migratory birds and wildlife. To maintain populations of rare and endangered plants.

Objectives: Maintain full pool.

Strategies:

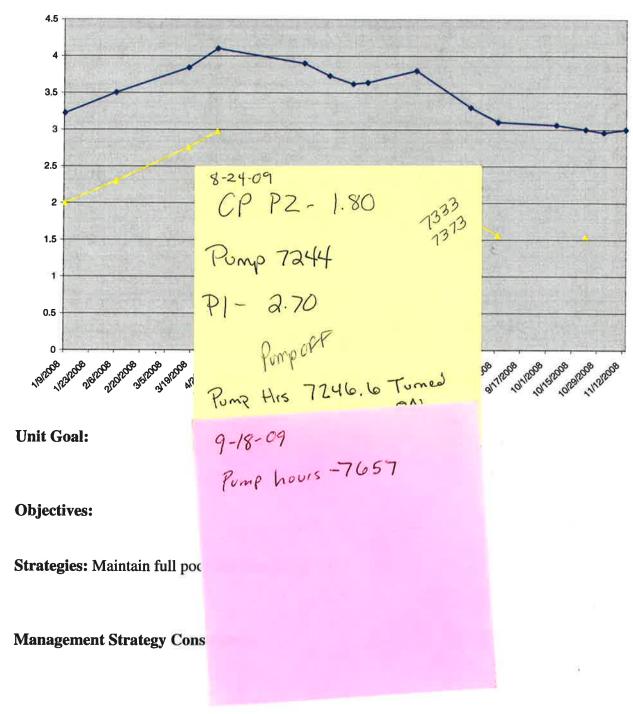
Unit: Cedar Point Pool 1

Water level guide	Date 2009	Actual Water level	Notes	
	alan	- 40		
		3.80		
3.5	Mar. 13	4,10	Opened gate 12" to lake on West Side 30-4.0 opened further-18 Strong NE wind-opened to 1/2 way 26-3.74 closed gate to 16"	u
	18	200	Opened gate to to land of the sale - 3.74 closed gate to 16"	
	23	3.90 3.57	Strong NE WING - operad - b - way	
	30	3.53	Closed, still some winos flow	
	Apr. /		" " 29" @ SE structure (420 to middle brace)	
	9	3.52	a / OE SHOWNIT (: HELL IN)	·
	16	3,57 3.57	29" @ SF structure (1/20 to middle brace NSple)
	23 May 1	3,50		
	May		No wind	
	15	3.50	IV WING	
LIS.	15	7.7		
	June \	328	meter was dirty I hard to read	
	2	3 26		
	17	3.1?3.08	3 DiAs	
		0.1	0	
	July 7	.3.02		
	THE REAL PROPERTY.	12		
			6782 Meter Romp 2 - 8/4-Pump ON 6857 Drifty Hologueze. Holos in pipe to luke on sur 41" @SE struth 20 - 401/2" 7193 Motor 2,70 \$ 31-7373	
	Aug.3	200	6782 Meter Tong C - 019- Wing CO	WKA
	7%	2:70	16851 With the voyage. Hous in pipe water see	-0 / 10
R.H.E	12	3.64	41" (PSE Struct) 1104" 1102 m 1 = 210 \$31-7373 -	-31-
	17	2.64	810 - 4012 11/23/1/10/10 91/10 31 01 101	
	Sept. 18	2.70	5	
	34	2.68	Pump 6FF 7757	
	11 15 2			
	0.110	0 -		
	Oct. 19	2.56		
	Nov. 2	2.07.	log found stack in structure - 1120 flawing out.	
		3.0?	43"	
	13/3	01.01		

2010 Plans - Begin spring d.d. ofter thaw & complete by

Unit: Pool 2 Acres: 135

2008 Activity: Water was taken out of the borrow area for dike work in mid-April, a coffer dam was installed between the borrow area and the unit. The unit was at full pool in April and 1500 waterfowl were observed on the 4/2/08. The borrow dike was seeded in late June and reseeded in August. Pool 2 water levels were lower than ideal in late October.



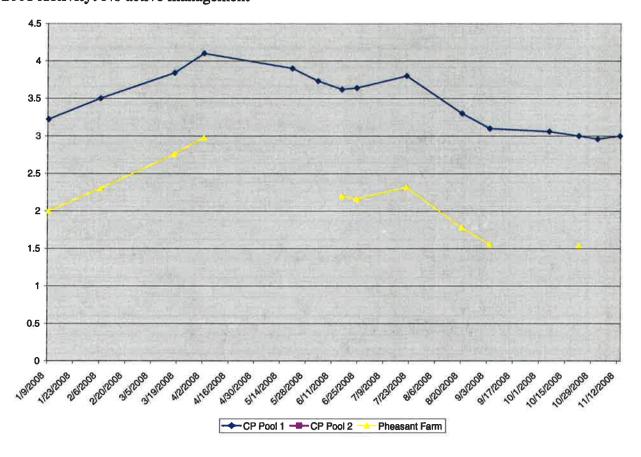
Unit: Cedar Point Pool 2

Keep water as high as possible, without flooding neighbor's woods.

Water level guide	Date 2009	Actual Water level	Notes	
	2/27		Borrow flap not working - Borrow higher than unit. 1) nit Ho looks good. R.H.	
	Mar. 13	2.98	looks good. R.H.	1
	18	2.16	20-71" (Gate to lake)	
	26	2.94		
V. 38	30	2.94		
	Apr. Q	3.00	Opened Pool 2 to Pool 1 to get high water off of Gra	dels
Opened	23	3.10	1.3814" - waters surface to middle brace on unit side in	middle
	27	2.7-2:	Opened Pool 2 to Pool 1 to get high wester off of Grand 13814" - waters surface to middle brace on unit side in 14 windy 3976" of brace-bottom of "L" bracket	
	May	2.80	39" Equatized w/ Pl	
	7	2.68	41"	-
	14	2.68	Closed to V	ł
	15	2.80	Closed to P 41 1/4" 42"	-
	June 3			
	17	2.5?	Didy	1
				1
	July 7	2.4	4634"	1
	July /	8.1	30	
			36	
	Aug. 3		50" 10th 2.0? dirty?	
	17	1.70?	10 2.0.4.17.	1
	31	1.98		1
				1
	Sept. 8	168]
	41.08			
	Oct.			
	oglisal příle			
	PERMIT			
	THE THE			
				Ι.,

dropping
I'm 3 clays
free flowing into
Pool 1,

Acres: 155
2008 Activity: No active management



Unit Goal:

Objectives:

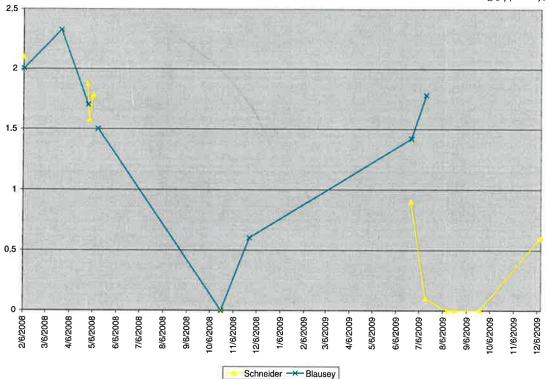
Strategies: Manage for against invasives. Maintain high water levels.

Management Strategy Constraints: Gate to county drainage ditch leaks.

unit: Pheasant Farm - Cedar Point NWR

Water level guide	Date 2009	Actual Water level	Notes	8
	2/27	2.62		
	Mar.13			
	18			1
	23	2.832	26-2.80 West Dike (N/s part) in horri	le Shap
	23 30	2.78	, , ,] '
	Apr. ¢	2,74	auched common dite, no obvisio leaks	
30		2071	·	
	23	a.73		
	Morre	0.0		
	May	2.68		
	15	a.54		
rante i	June3	2.80	2.28	
	July 7	2.02		
	Aug!	1.70		
	17	1.62		
1-100	1 1	1.42		
	Sept.	24	1.48	
	THE S			
	0.1			
1.5	Oct.			
1.5				
	12/2	1.56		
	1-12	1. 74		
	JEST WEST			

Neighbur to East: Rich Kaiser cell: 419-341-1880

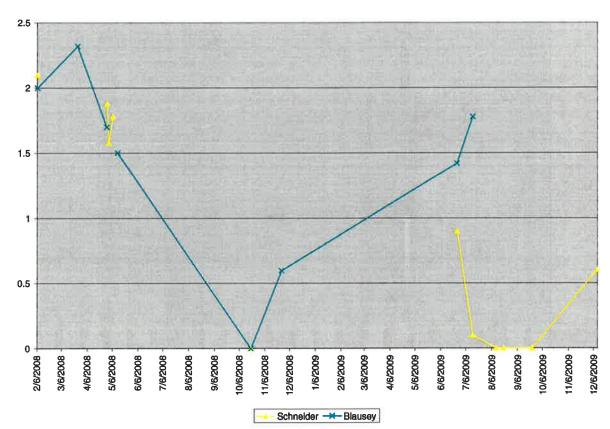


Unit: Schneider

2008 Activity: 1.5 water levels saturated neighboring land owner to the west. Landowner enrolled land in government wetland program. We agreed to draw unit down to aid in construction and treat invasives (phrag, P.L.). Due to wet spring conditions, water was not taken off until late May/early June. Pulling boards to remove water should be done carefully in the future to ensure not to overfill drainage ditch and flood neighbor to the east. Phrag areas and thick narrowleaf cattail was disked in early August. Unit was allowed to refill in September, but didn't gain water unitl November. Should be able to hold water at 2.5 in 2009?

Water		Actual	3 14	
level	Date	Water	Notes	
guide	2009	level		
		2.24		
1.5-2.5	Mar9	2.44	Check Boards! May need to add another - Flowing over board changed top board w/ a bigger board. Should hold b"more 3/18-2.60 > 300 ducks (Mall+Pinfaul) in transition areas feeling	11-2"
	3/10	2.40	changed top board w/ a bigger board. Should hold 6" more	420 - 474'
	3/12	2.60	3/18-2.60 > 300 ducks (Mall+ Pinfail) in transition areas Reding	
	3/30	2.36	flushed 5 nipe	
9 2 24 21	4/22	2.34		
	6/15	1.52		
M-2	6/26	1.78		
	8/10	0	about 3 in of HaO but placement of meter-	dry/muc
	9/14	Ø		O.
	12/23	٠٦ ٠		
	1 11			5
	3			

3/9 - 0N



Water level	Date	Actual Water		Notes	
guide	2009	level		NE Side	
	2/12	1.82		}	
	2/26	1.70	Near top of board 21"		
	3/9	1.90	V		
	3/11	2.10	3/12-2.04	3/11 - 381/2"	4A5 Trumpeka-yell
	3/30	1,60	Structure filled w/veg- ross		
	4/24	1.58	N.		
	6/15	0.70	ditch higher than unit		
e, University	PO SPECTAL	0,66	MU a hidden	2	Υ
	1.				
	T-CT-S				
	11/3		Dry		
	12/23	.68	Muddy//ce		
				\	
				1.78	6/26
g in					
	16.				
uure S	75 7				
	Chall				
	1 1 2 1				

Security supervisor 419-321-7557

Navarre

2008 Activity: Water levels weren't checked until November, and Pool 2 had mudflats. It appears as though water was as high as 2.6 from water markings on gauge. In 2007 Pool 2 high water was pumped down by plant employees in early April, perhaps this was done in 2008 as well.

Notes: Pool 1 also has pumping capabilities. There are double flaps between P2 & P3. Water cannot be pumped into pool 2. P3 has double flap gates into the Lake and has a pump that pumps out. P3 has a little watershed from the runoff on the west end. The lock combo is 7556.

2007 Levels:

	May 22	Nove	nber 6
Pool 1	0.78	?	-(veg looks good)
Pool 2	2.45	1.62	-(lots of ducks-2000-2500, good veg)
Pool 3	0.75	0.18	-3000 – 3500 ducks. Beaver action
			on south side. Muskrats thick in NE corner
			and SW side, but not too bad. Veg
			recovering.

2008 Levels:

	Nov 4
Pool 1	
Pool 2	0
Pool 3	0.10

Pool 3			0.10
Unit	Date 2009	Actual Water level	Notes
Poo 1	4/22	0.9-0.9	4? Dirtu 50 Roddy ducks
Pool 2	422		Consider Darrial spraying phray along west side. > 500 durks Ruddys, Scaup & Gadwall. Gauge musing - 21/2" over the pipe to Pump on taking HeD out into River. > 800 ducks - Ruddys, Sca Gadwall.
			Ruddys, Scaup or Gadwall. Gauge musing - 21/2" over blue pipe b
Pool 3	4/22	0.40	Pump on taking HED out into River. >800 ducks - Riddys, Sco
			Gadwall.
0	100		The state of the s
Pool 1	11/9	1.22	
Pool 3	11/9	9.58	
Pool 2	11/9	low	x = x + x + x + x + x + x + x + x + x +
			* T
finds.			
Pastal	LATE.		
4-5-711-4	25		

Johnny Coll
266-0816
Die

Diefenthaler:

2008 Activity: The unit was full pool in February. A fuse was blown and replaced in February. The unit dried up over summer during drought in August except for main channel. It was flooded again in November from rains. In 2007 July, the unit was mistakenly drawndown.

Kontz:

2008 Activity: Unit is currently open to lake levels. Hairy willowherb was found in the transition areas of the wetland. The wetland remained flooded throughout entire season (Spring-Fall)

Helle:

2008 Activity: No active management. Water was low on 11/4/08

3/11- Water across all of unit + base of hilt on south East side prop. owners

4/24 - " water in woods all the way out to the Road.

11/9 - low water - only in borrow area (Ron)

Gaeth-Kurdy:

2008 Activity: Private land owners replaced culvert with bigger size to handle flash flood conditions better. Doug issued a special use permit. Culvert drains private Ag fields. Eric also maintained subpump in ditch behind his house. This pump is very costly and should be replaced with regular pump.